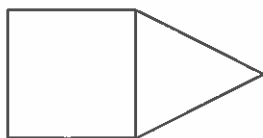


Drawing Nets

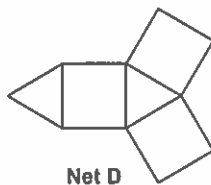
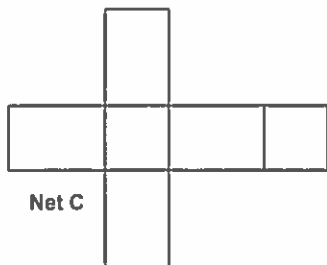
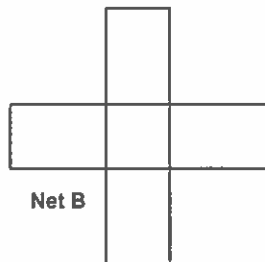
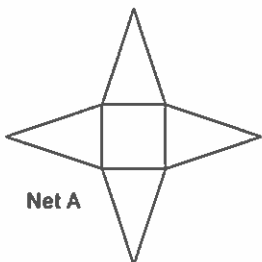
Multiple Choice

Identify the choice that best completes the statement or answers the question.

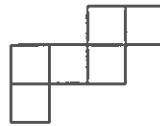
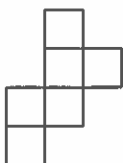
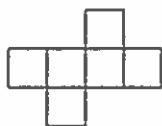
- ___ 1. Louise draws a net for a pentagonal prism.
The diagram for the net has 1 pentagon and 4 rectangles.
What are the shapes missing from her drawing?
- a. 1 rectangle and 2 pentagons c. 1 pentagon and 1 rectangle
b. 2 pentagons d. 1 rectangle
- ___ 2. This is an incomplete net for a triangular prism. What shapes do you add to complete this net?



- a. 3 squares c. 1 triangle and 3 squares
b. 1 triangle and 2 squares d. 3 triangles
- ___ 3. Which diagram is the net for a square pyramid?



- a. Net A b. Net B c. Net C d. Net D
- ___ 4. Which diagram CANNOT be folded to make a cube?



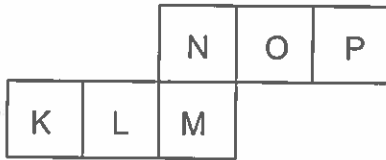
Name: _____

ID: A

5. What shapes do you need to make a triangular prism?
- a. 4 triangles
 - b. 1 triangle and 3 rectangles
 - c. 2 triangles and 3 rectangles
 - d. 4 triangles and 1 rectangle

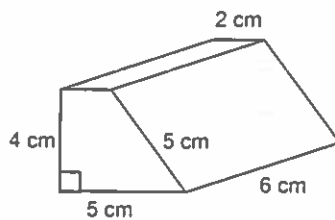
Short Answer

6. Is this diagram a net for a cube? If so, name the opposite faces.



7. Draw a net for a cube and label the faces A, B, C, D, E, and F. When the cube is made, face A will be opposite face F, face B will be opposite face E, and face C will be opposite face D.

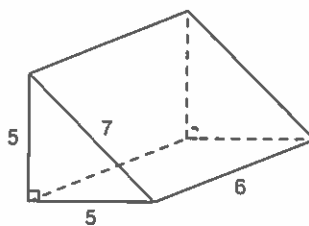
8. Draw a net for this object.



9. Draw three different nets of a cube.

Problem

10. Sketch and label a net of this right triangular prism.



Drawing Nets Answer Section

MULTIPLE CHOICE

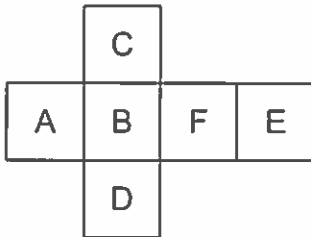
- | | | | |
|------------|------------------------------------|-------------------------------|-------------------------|
| 1. ANS: C | PTS: 1 | DIF: Easy | REF: 4.1 Exploring Nets |
| LOC: 8.SS2 | TOP: Shape and Space (Measurement) | KEY: Conceptual Understanding | |
| 2. ANS: B | PTS: 1 | DIF: Easy | REF: 4.1 Exploring Nets |
| LOC: 8.SS2 | TOP: Shape and Space (Measurement) | KEY: Conceptual Understanding | |
| 3. ANS: A | PTS: 1 | DIF: Easy | REF: 4.1 Exploring Nets |
| LOC: 8.SS2 | TOP: Shape and Space (Measurement) | KEY: Conceptual Understanding | |
| 4. ANS: D | PTS: 1 | DIF: Moderate | REF: 4.1 Exploring Nets |
| LOC: 8.SS2 | TOP: Shape and Space (Measurement) | KEY: Problem-solving Skills | |
| 5. ANS: C | PTS: 1 | DIF: Moderate | REF: 4.1 Exploring Nets |
| LOC: 8.SS2 | TOP: Shape and Space (Measurement) | KEY: Conceptual Understanding | |

SHORT ANSWER

6. ANS:
Yes; Faces K and M, L and O, and N and P will be opposite faces.

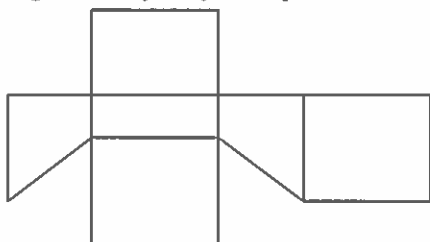
PTS: 1 DIF: Moderate REF: 4.1 Exploring Nets
LOC: 8.SS2 TOP: Shape and Space (Measurement) KEY: Problem-solving Skills

7. ANS:
Diagrams may vary. Sample:



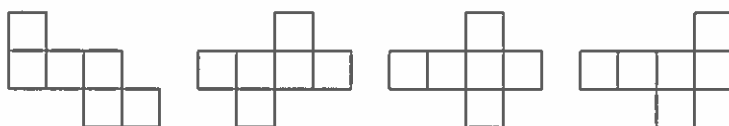
PTS: 1 DIF: Moderate REF: 4.1 Exploring Nets
LOC: 8.SS2 TOP: Shape and Space (Measurement) KEY: Communication

8. ANS:
Diagrams may vary. Sample:



PTS: 1 DIF: Moderate REF: 4.1 Exploring Nets
LOC: 8.SS2 TOP: Shape and Space (Measurement)
KEY: Conceptual Understanding | Communication

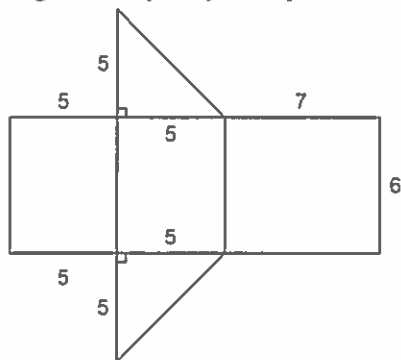
9. ANS:
Answers will vary. Sample:



PTS: 1 DIF: Moderate REF: 4.1 Exploring Nets
LOC: 8.SS2 TOP: Shape and Space (Measurement)
KEY: Conceptual Understanding | Communication

PROBLEM

10. ANS:
Diagrams may vary. Sample:



PTS: 1 DIF: Moderate REF: 4.1 Exploring Nets
LOC: 8.SS2 TOP: Shape and Space (Measurement)
KEY: Conceptual Understanding | Communication