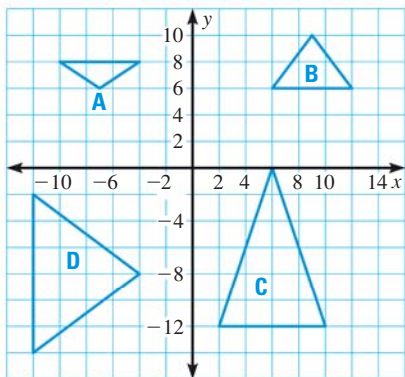


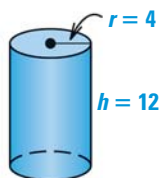
13 TAKS PRACTICE

PRACTICE FOR TAKS OBJECTIVE 8

1. Which triangles are similar?

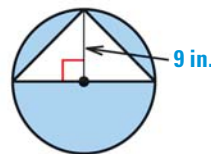


- A** Triangle A and triangle B
B Triangle A and triangle C
C Triangle B and triangle D
D Triangle C and triangle D
2. Tara uses 100 feet of fencing to enclose a rectangular garden that has a length of 30 feet. About how much fencing does she need to enclose a similar rectangular garden that has a length of 12.5 feet?
- F** 41.7 ft
G 50.0 ft
H 61.5 ft
J 120.0 ft
3. Which dimensions correspond to a cylinder that is similar to the one below?

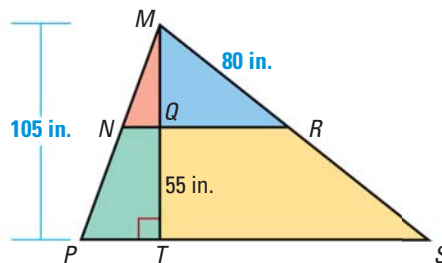


- A** $r = 6$ units, $h = 14$ units
B $r = 7$ units, $h = 21$ units
C $r = 8$ units, $h = 16$ units
D $r = 9$ units, $h = 36$ units

4. What is the approximate area of the shaded region?



- F** 92.5 in.^2
G 128.5 in.^2
H 173.5 in.^2
J 214.0 in.^2
5. On the window shown, \overline{NR} and \overline{PS} are parallel. Find the length of \overline{MS} .



- A** 66 in.
B 88 in.
C 146 in.
D 168 in.

MIXED TAKS PRACTICE

6. How does the graph of $y = x^2 + 1$ differ from the graph of $y = x^2 - 5$? **TAKS Obj. 5**
- F** The graph of $y = x^2 + 1$ is narrower than the graph of $y = x^2 - 5$.
G The graph of $y = x^2 + 1$ is wider than the graph of $y = x^2 - 5$.
H The graph of $y = x^2 + 1$ is 6 units above the graph of $y = x^2 - 5$.
J The graph of $y = x^2 + 1$ is 6 units to the right of the graph of $y = x^2 - 5$.