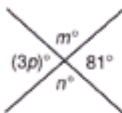


Test 1 (Lesson 2), Form A

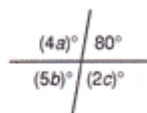
SHOW YOUR WORK

Name: _____

1. Find
- m
- ,
- n
- , and
- p
- .

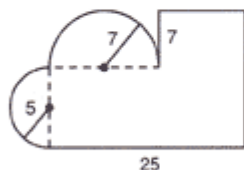


2. Find
- a
- ,
- b
- , and
- c
- .

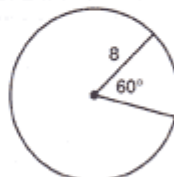


3. The complement of an angle is
- 37°
- . What is the measure of the angle?

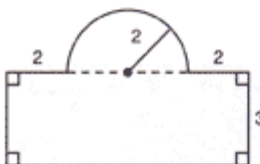
4. Find the perimeter of this figure. All angles that look square are square. Dimensions are in meters.



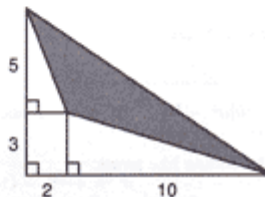
5. Find the area of the
- 60°
- sector of the circle. Dimensions are in inches.



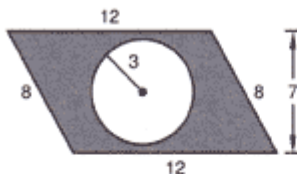
6. The figure shown is the base of a cone whose altitude is 5 centimeters. What is the volume of the cone? Dimensions are in centimeters.



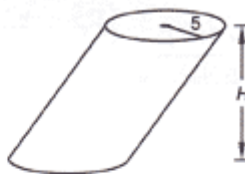
7. Find the area of the shaded region. Dimensions are in feet.



8. Find the area of the shaded region. Dimensions are in centimeters.



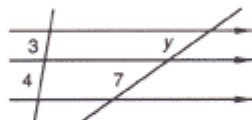
9. The volume of this circular cylinder is
- 750π
- in
- ³
- . What is the height of the cylinder?



10. Find
- p
- and
- q
- .



11. Find
- y
- .



12. Find the volume and the surface area of a sphere whose radius is 9 inches.

Simplify. Write the answer with exponential expressions in the numerator.

13. $\frac{(xy^2)^0 x^2 y}{x(y^{-3})^3}$

14. $\frac{(x^3 y^{-1})^{-2} z^{-2}}{(y^3 z y^{-2})^5}$

15. $\frac{x^3 y^2 z^{-2}}{(xw^0)^{-2} z^{-1} x^2 w^3}$

Simplify:

16. -4^{-3}

17. $\frac{1}{-3^{-3}}$

18. $-5^2 - [-3^0 - (2 - 3) - 3]$

19. $-|-3 - 5| - (-3)^2 - 3^2$

20. $-4[6^0 - 5(3 - 6) - 3^3]$