

NAME _____

PERIOD _____

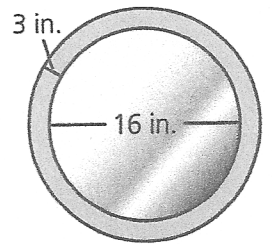


REFRESH

1) A circular mirror has a diameter of 16 inches.

a) What is the area, in square inches, of this mirror? Write your answer using π .

b) The frame around the mirror is 3 inches wide, as shown in the picture. What is the circumference, in inches, of the outside of the frame around the mirror?



2) Factor the following expression: $4(9h^3 + 12h^2 - 15h - 6)$

3) Marcus tosses a coin into the air 64 times. It lands tails-side up 30 times. From this data, can the theoretical or experimental probability be found? Explain how you know.

4) Which pair of angles must be congruent in the diagram at the right?

a) $\angle 1$ and $\angle 2$

b) $\angle 1$ and $\angle 4$

c) $\angle 3$ and $\angle 6$

d) $\angle 5$ and $\angle 6$