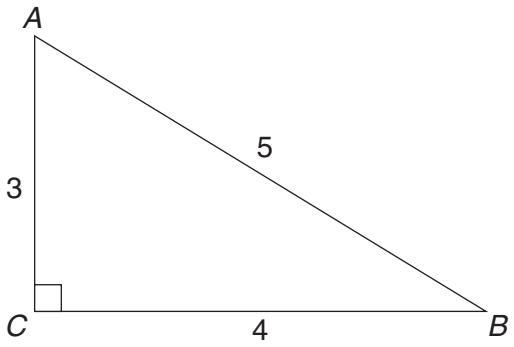
Name _____ Date _____ Class _____

GRADE 10

Focus on Sunshine State Standards: Benchmark Tests

MA.912.T.2.1 Benchmark Pre-Test (Multiple Choice)

1. Which of the ratios is equivalent to tan *A*?



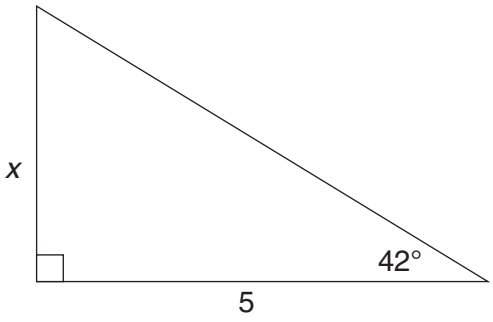
A. $\frac{3}{5}$

B. $\frac{3}{4}$

C. $\frac{4}{3}$

D. $\frac{5}{3}$

2. What is the value of *x* in the triangle below? (Round to the nearest tenth.)



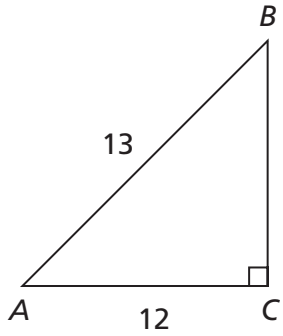
F. 4.5

G. 3.7

H. 3.3

I. 0.2

3. Which ratio is equivalent to cos *B*?



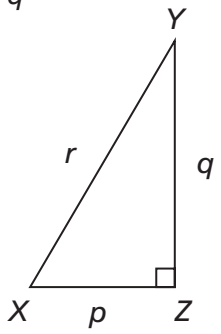
A. $\frac{5}{13}$

B. $\frac{5}{12}$

C. $\frac{12}{13}$

D. $\frac{12}{5}$

4. Which of the following is equivalent to the ratio $\frac{p}{q}$ in the diagram below?



F. sin *X*

G. cos *X*

H. tan *X*

I. cot *X*

Name _____ Date _____ Class _____

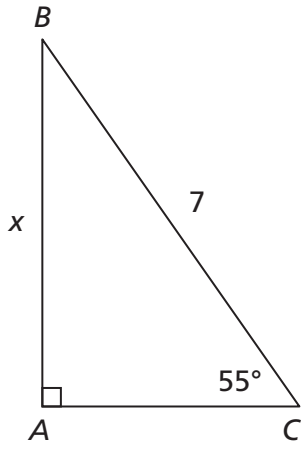
GRADE 10

Focus on Sunshine State Standards: Benchmark Tests

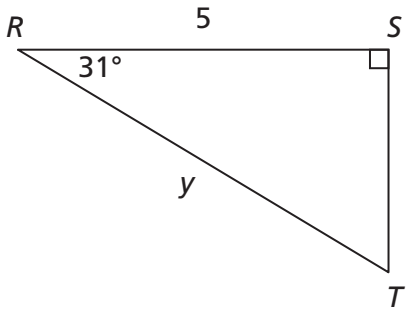
MA.912.T.2.1 Benchmark Pre-Test (Gridded Response)

Use the Gridded Response Answer Sheet.

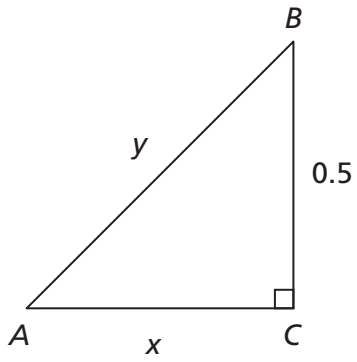
5. What is the value of *x* in the triangle below? (Round to the nearest tenth.)



6. What is the value of *y* in the triangle below? (Round to the nearest tenth.)



7. If the value of sin $A = 0.25$, what is the value of *x* in the figure below? (Round to the nearest tenth.)



8. What is the value of y in the triangle below? (Round to the nearest tenth of a degree.)