

Name:

Math 2 Final Review 1

1. Multiply. Reduce answers, or round them to the nearest thousandth.

a) $\frac{8}{9} \times \frac{15}{6}$

b) $\frac{8}{9} \times 6$

c) $\frac{8}{9} \times 7\%$

2. Let P be the expression $3x(2x - 5)^2$.

a) Write P as a polynomial.

b) What kind of polynomial is it?

c) Multiply the polynomial by 2.

3. Simplify.

a) $a^8 \cdot a^4$

b) $(a^8)^4$

c) $\frac{a^8}{a^4}$

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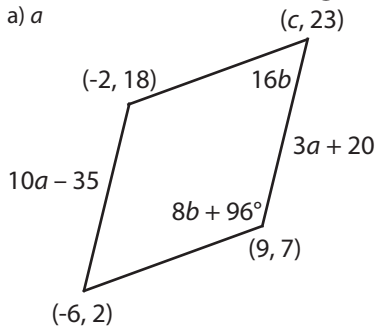
Show all work. Only write equations, and make sure each equation has a variable.

1. Solve for the following values in the parallelogram.

a) a

b) b

c) c

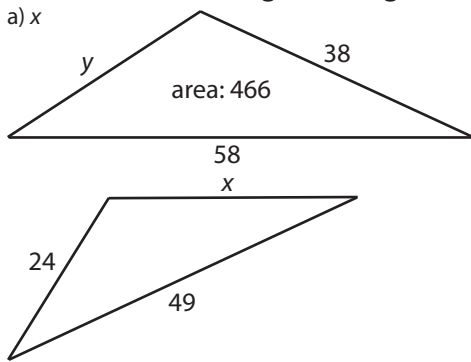


2. Find the following values, given the two triangles are similar.

a) x

b) y

c) the area of the smaller triangle



3. Find the following for the line segment shown.

a) the midpoint

b) the slope

c) the equation of the line



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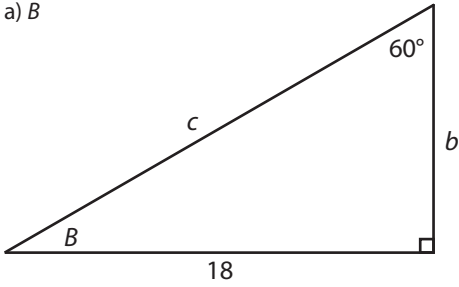
Show all work. Only write equations, and make sure each equation has a variable.

1. Find the following values, and simplify.

a) B

b) b

c) c

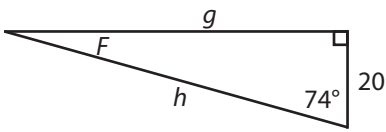


2. Solve for the stated variable by the method given.

a) F , by subtracting

b) g , by setting up and solving a trig equation

c) h , by setting up and solving a trig equation



3. Solve for the stated variable by the method given.

a) T , by setting up and solving a trig equation

b) N , by subtracting

c) n , by the Pythagorean theorem

