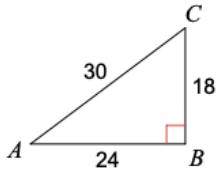


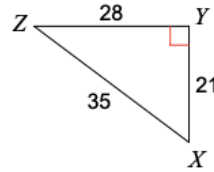
SUMMER WORKSHEET PART 1

Find the value of each trigonometric ratio.

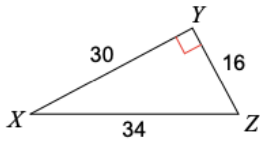
1) $\sin A$



2) $\cos Z$

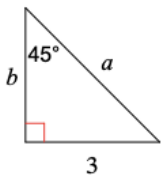


3) $\tan Z$

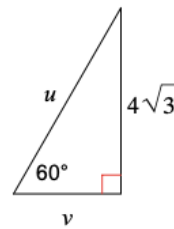


Find the missing side lengths. Leave your answers as radicals in simplest form.

4)

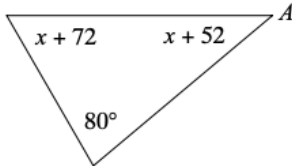


5)

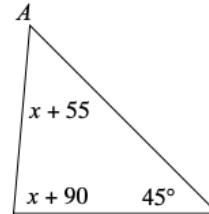


Find the measure of angle A.

6)

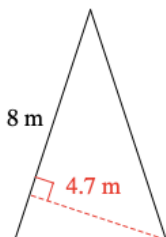


7)

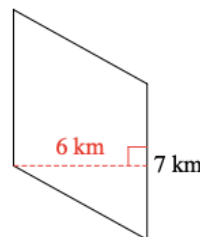


Find the area of each.

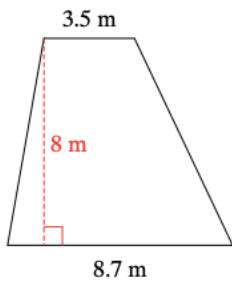
8)



9)



10)



SUMMER WORKSHEET PART 2

Evaluate each expression.

11) $9 \div 3(6 + 1) - 3$

Find each sum.

12) $\frac{1}{2} + -\frac{9}{7}$

Find each difference.

13) $-\frac{4}{7} - \frac{3}{8}$

Find each product.

14) $\left(\frac{8}{7}\right)\left(-\frac{13}{7}\right)$

Find each quotient.

15) $\frac{-5}{3} \div \frac{2}{3}$

Solve each equation.

16) $-k - 3 = 8$

17) $5(r - 1) = 20$

$$18) -2n - 7 = -17$$

$$19) \frac{k}{2} - 1 = -4$$

$$20) 3m + 7 - 2 = -7$$

$$21) x - 4 + 7 = -3 + 3x$$

$$22) 128 = 8(5p + 6)$$

$$23) 18 - 7n = 6 - 5(4 - 5n)$$

Simplify. Your answer should contain only positive exponents.

$$24) 4yx^2z^3 \cdot 3xz^2$$

$$25) \frac{ac^4}{4a^2b^2c^2}$$