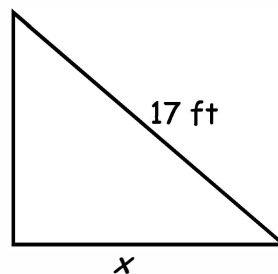


## Sample Lesson #3

1.  $3x - 8 \geq 7$  Find the solution and graph it on a number line.
2. Simplify.  $(5x^2y)(-2xy^2)$
3. Multiply.  $(x + 8)(x + 5)$    $t + 4$
4. Find the area of the square.
5. Write the Pythagorean Theorem.
6.  $-55 - (-24) = ?$
7. Multiply.  $\frac{3x^7}{4y^5} \cdot \frac{2y^6}{3x^8}$
8. Write the slope-intercept form for a linear equation.
9. Simplify.  $(2b^3c^2d^4)^5$
10. Simplify.  $2\sqrt{20a^5b^{11}}$
11. Add.  $\frac{3x-5}{4} + \frac{5x-3}{3}$
12. What is the P(1, 6, 3) on 3 rolls of a die?
13. Factor out the GCF.  $8x^4 - 12x^3 + 16x^2$
14. Translate *sixteen times a number divided by twelve* as an algebraic phrase.
15. Evaluate  $cd - c$  if  $c = 10$  and  $d = 4$ .
16.  $28 - 4[3 + 2(3 + 2) - 1] = ?$
17. Write  $2.1 \times 10^6$  in standard notation.
18. Find the missing length of the leg,  $x$ .
19. Factor.  $x^2 - 15x + 56$
20. Find the difference. 
$$\begin{array}{r} 0.4x^2 + 0.3x - 0.7 \\ - 0.2x^2 + 0.2x + 0.5 \\ \hline \end{array}$$



1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.