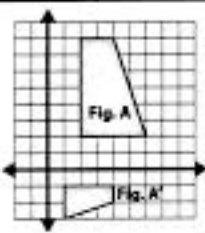
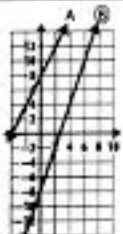
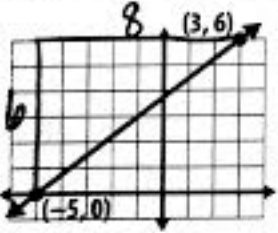

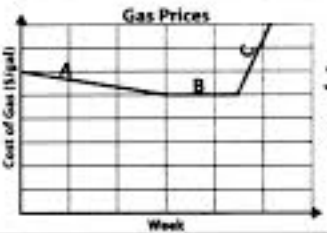
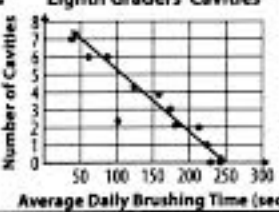


Lesson #122	
1. 8.EE.6	slope = -1 y-intercept = -1
3. 8.G.4	 <p>similar; rotated 90° clockwise, dilated by scale factor of $\frac{1}{2}$</p>
5. 8.F.2	 <p>Line B -8 is the smaller y-intercept</p>
7. 8.G.8	 <p>$a^2 + b^2 = c^2$ $6^2 + 8^2 = c^2$ The distance is 10 units. $36 + 64 = c^2$ $100 = c^2$ $c = 10$</p>
9. 8.G.7	 <p>16 cm 10 cm hypotenuse = 18.9 cm</p>
11. 8.F.4	A) 5,560,000 bits B) y-intercept
2. 8.G.9	$V = 158.76\pi \text{ mm}^3$
4. 8.EE.7	$2-d+1 = 4(d+3)$ $3-d = 4d+12$ $-4d = 9$ $d = -\frac{9}{5}$ or $-1\frac{4}{5}$ $3-5d = 12$ $-3-3 = -3$ $-5d = 9$ $d = -\frac{9}{5}$ one solution
6. 8.EE.8	$3x - 5y = -20$ $x + 5y = -4$ $\frac{4x}{4} = \frac{-24}{4}$ $x = -6$ $-6 + 5y = -4$ $+6$ $5y = 2$ $y = \frac{2}{5}$ $(-6, \frac{2}{5})$
8. 8.F.5	 <p>sample answer</p>
10. 8.SP.3	 <p>about 5 cavities</p>
12. 8.EE.4	$4 \cdot 10^2 (7.5 \cdot 10^2) = 30 \times 10^4$ Blue whale weighs 3.0×10^5 lbs