

# BE - Geometry 1

Monday 9-12-11

① Solve:  $\frac{2}{3}x - 6 = 24$   
check

② Solve and graph the solution on a number line:  $-4(3x + 1) \leq 16$

ANS

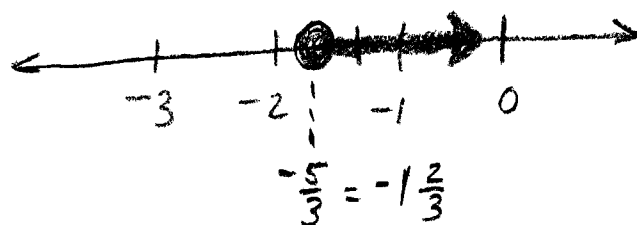
|                                                                                                                                                  |                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <p>① <math>\frac{2}{3}x - 6 = 24</math></p> <p><math>\frac{3}{2} \cdot \frac{2}{3}x = 30 \cdot \frac{3}{2}</math></p> <p><math>x = 45</math></p> | <p>CK <math>\frac{2}{3}(45) - 6 \stackrel{?}{=} 24</math></p> <p><math>30 - 6 \stackrel{?}{=} 24 \checkmark</math></p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

②  $-4(3x + 1) \leq 16$

$-12x - 4 \leq 16$

$\frac{-12x}{-12} \leq \frac{20}{-12}$

$x \geq -\frac{5}{3}$



• HW Review

• Classwork/HW = even S

# Answers to Practice: eval. functions, solve linear eq./inequalities. (ID: 1)

1) 145

2) 9

3) -48

4) 77

5)  $t^2 + 7t + 6$

6)  $2a^2 - 16a + 30$

7)  $3n^3 - 12n^2 - 2$

8)  $-6n^2 - 7$

9)  $\{2\}$

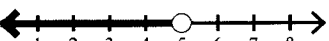
10)  $\{-3\}$

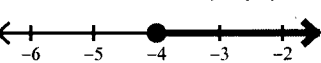
11)  $\{-3\}$

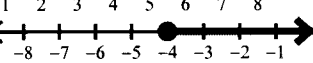
12)  $\{-5\}$

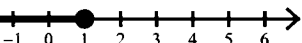
13)  $\{-1\}$

14)  $\{1\}$

15)  $v < 5$  : 

16)  $a \geq -4$  : 

17)  $v \geq -4$  : 

18)  $x \leq 1$  : 

19)  $k \geq 6$

20)  $x \leq 2$

21)  $k \geq 0$

22)  $p > -1$