

## Module 2 Quiz Review

Solve and graph each inequality

1.  $7x > -42$

2.  $2.4 \leq \frac{m}{3}$

3.  $\frac{3}{4}r < 12$

4.  $-12x > 84$

5.  $-8 \leq \frac{x}{-3}$

6.  $10 \geq -x$

7.  $4.25 > -0.25h$

8.  $\frac{x}{4} > -3$

9.  $45 + 2b > 61$

10.  $8 - 3y \geq 29$

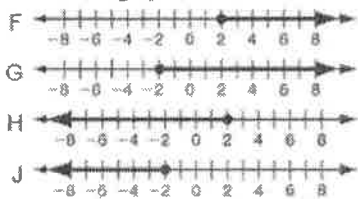
11.  $-12 \geq 3x + 6$

12.  $\frac{x+5}{-2} > 3$

13.  $\frac{1-2n}{3} \geq 7$

14. The average of Jim's two test scores must be at least 90 to make an A in the class. Jim got a 95 on his first test. What grades can Jim get on his second test to make an A in the class?

15. Which is the graph of  $-5h + 3 \leq -7$ ?



# Module 2 Review (Quiz)

1.  $\frac{7x}{7} > \frac{-42}{7}$

$x > -6$



2.  $2.4 \leq \frac{m}{3} \cdot 3$

$7.2 \leq m$



3.  $\frac{3}{4}r < 12 \cdot \frac{4}{3}$

$r < 16$



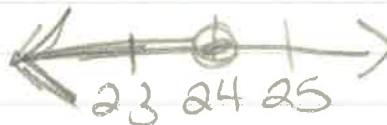
4.  $\frac{-12x}{-12} > \frac{84}{-12}$

$x < -7$



5.  $(-3) \cdot -8 \leq \frac{x}{-3} \cdot (-3)$

$24 \geq x$



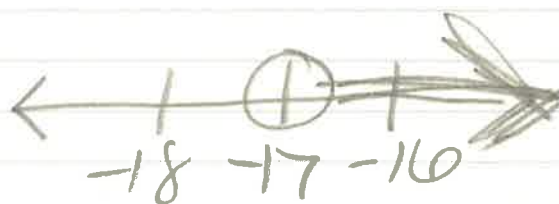
6.  $\frac{10z}{-1} \leq \frac{-10}{-1}$

$-10 \leq z$



$$7. \frac{4.25}{-.25} > \frac{-.25h}{-.25}$$

$$-17 < h$$



$$8. 4 \cdot \frac{x}{4} > -3.4$$

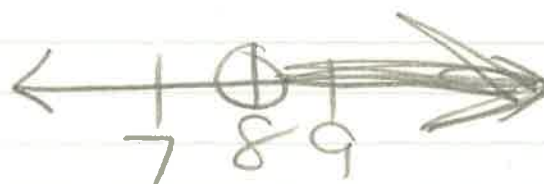
$$x > -12$$



$$9. \frac{45+2b}{-45} > \frac{61}{-45}$$

$$\frac{2b}{2} > \frac{16}{2}$$

$$b > 8$$



$$10. \frac{8-3y}{-8} \geq \frac{29}{-8}$$

$$\frac{-3y}{-3} \geq \frac{21}{-3}$$

$$y \leq -7$$



$$11. \frac{-12}{-6} \geq \frac{3x+6}{-6}$$

$$\frac{-18}{3} \geq \frac{3x}{3}$$

$$-6 \geq x$$



$$12. \quad \frac{x+5}{-2} > 3 \quad (-2)$$

$$\begin{array}{r} x+5 < -6 \\ -5 \quad -5 \\ \hline x < -11 \end{array}$$



$$13. \quad \frac{1-2n}{3} \geq 7 \cdot 3$$

$$\begin{array}{r} 1-2n \geq 21 \\ -1 \quad -1 \\ \hline -2n \geq 20 \\ -2 \quad -2 \\ \hline n \leq -10 \end{array}$$



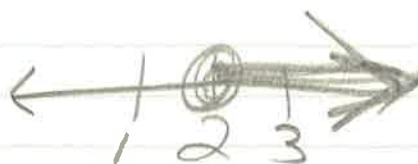
$$14. \quad \frac{95+x}{2} \geq 90 \cdot 2$$

$$\begin{array}{r} 95+x \geq 180 \\ -95 \quad -95 \\ \hline x \geq 85 \end{array}$$

at least 85% on his next test

$$15. \quad -5h+3 \leq -7$$

$$\begin{array}{r} -5h \leq -10 \\ -5 \quad -5 \\ \hline h \geq 2 \end{array}$$



Graph F