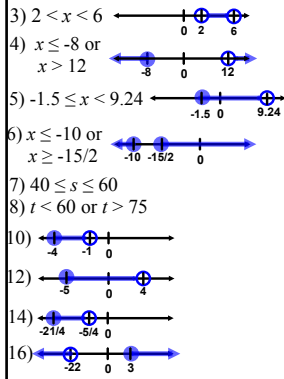
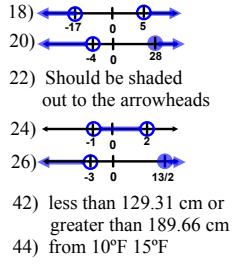


1) compound inequality



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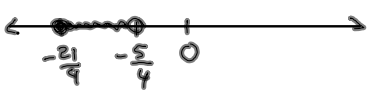


8)  $t < 60^\circ$  or  $t > 75^\circ$

12)  $-6 < 3n + 9 < 21$   
 $-6 < 3n + 9$  and  $3n + 9 < 21$   
 $-6 - 9 < 3n + 9 - 9$       $3n + 9 - 9 < 21 - 9$   
 $\frac{-15 < 3n}{3}$       $\frac{3n < 12}{3}$   
 $-5 < n$       $n < 4$



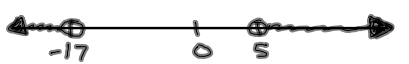
14)  $7 > \frac{2}{3}(6g + 12) \geq -9$   
 $7 > \frac{2}{3}(6g + 12)$  and  $\frac{2}{3}(6g + 12) \geq -9$   
 $7 > 4g + 12$       $4g + 12 \geq -9$   
 $7 - 12 > 4g + 12 - 12$       $4g + 12 - 12 \geq -9 - 12$   
 $\frac{-5 > 4g}{4}$       $\frac{4g \geq -21}{4}$   
 $-\frac{5}{4} > g$       $g \geq -\frac{21}{4}$



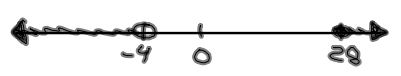
16)  $16 < -s - 6$  or  $2s + 5 \geq 11$   
 $16 + 6 < -s - 6 + 6$       $2s + 5 - 5 \geq 11 - 5$   
 $-(22 < -s)$       $\frac{2s \geq 6}{2}$   
 $-22 > s$       $s \geq 3$



18)  $-14 > w + 3$  or  $5w - 13 > w + 7$   
 $-14 - 3 > w + 3 - 3$       $5w - w - 13 + 13 > w - w + 7 + 7$   
 $-17 > w$       $\frac{4w > 20}{4}$   
 $w > 5$



20)  $-2h - 7 > h + 5$  or  $\frac{1}{4}(h + 8) \geq 9$   
 $-2h + 2h - 7 - 5 > h + 5 - 5$       $(\frac{1}{4}h + 2 \geq 9) \cdot 4$   
 $\frac{-12 > 3h}{3}$       $h + 8 \geq 36$   
 $-4 > h$       $h + 8 - 8 \geq 36 - 8$   
 $h \geq 28$



42)

$$\frac{1.16 h}{1.16} < \frac{150}{1.16} \text{ or } \frac{1.16 h}{1.16} > \frac{220}{1.16}$$
$$h < 129.3 \text{ cm} \qquad 189.6 \text{ cm}$$