

# Answer Key

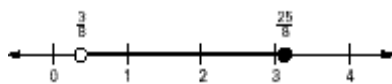
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## Challenge: Skills and Applications

1.  $a \geq b$    2.  $a > b$    3.  $ac > cx > bc$

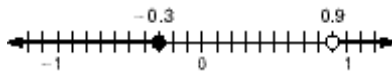
4.  $\frac{3}{8} < x \leq \frac{25}{8}$

5.



6. no   7. yes   8.  $x \leq -0.3$  or  $x > 0.9$

9.



10. yes   11. no   12. 14 gal/min

13. 90 gal/min   14.  $14 \leq f \leq 90$