Activity 4.2.1: Hinge Theorem

Total points = 16

A. Answers

1. $=$ ✓
2. $>$ ✓
3. $<$ ✓
4. $<$ ✓
5. $<$ ✓

B. Answers

1. $>$ ✓
2. $<$ ✓
3. $<$ ✓

C. Answers

1. $5x-4<38-x$ ✓

$5x+x-4+4<38+4-x+x$ ✓

$\frac{6x}{6}<\frac{42}{6}$ ✓

$\boxed{x<7}$ ✓

2. $2x+34>9x-22$ ✓

$2x-9x+34-34>9x-9x-22-34$ ✓

$\frac{-7x}{-7}>\frac{-56}{-7}$ ✓

$\boxed{x<8}$ ✓

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