Writing Inequalities: Extra Practice

Transform each statement into an inequality.

1. A number added to 7 is less than 15 $x+7<15$
2. 3 more than 5x is at most 32 $3+5x\leq 32$
3. A number divided by 2 is greater than or equal to 8 $\frac{x}{2 }\geq 8$
4. 6 less than n is more than 5n minus 3 $n-6>5n-3$
5. Matt is taller than Larry but shorter than Nick. Sam is taller than Larry, but shorter than Matt. Using m for Matt, l for Larry, n for Nick, and s for sam, write an inequality to express their height.

$$l<s<m<n$$

1. Lee goes to the video game store with $120. He buys a controller for $30, and then he buys games that are $5 apiece. How many games could Lee buy?

$$30+5x\leq 120$$

Write a sentence that describes each inequality.

1. $9<20$ 9 is less than 20
2. $-4 \leq 5x$ -4 is less than or equal to 5 times a number
3. $b>32$ b is greater than 32
4. $3<m\leq 15$ m is less than or equal to 15 and greater than 3