State whether each quantity described is a *vector* quantity or a *scalar* quantity:

1) A box being pushed with a force of 125 newtons

2) Wind blowing at 20 knots

3) A deer running 15 meters per second due west

4) A baseball thrown with a speed of 85 miles per hour

5) A 15-pound tire hanging from a rope

6) A rock thrown straight up at a velocity of 50 feet per second

Find the resultant of each pair of vectors using either the tip-to-tail or parallelogram method:

7)

8)

9)

10)

11)

12)