

**Motion and Energy** ▪ *Math Skills*

**Calculating Acceleration**

6. Acceleration =  $\frac{20 \text{ m/s} - 4 \text{ m/s}}{4 \text{ s}} = \underline{\hspace{2cm}}$

7. A cheetah accelerates from 2 m/s to 16 m/s in 7 seconds. What is the cheetah's average acceleration?

Answer: \_\_\_\_\_

8. A motorcycle accelerates from rest to 31 m/s in 10 seconds. Find the motorcycle's average acceleration.

Answer: \_\_\_\_\_

