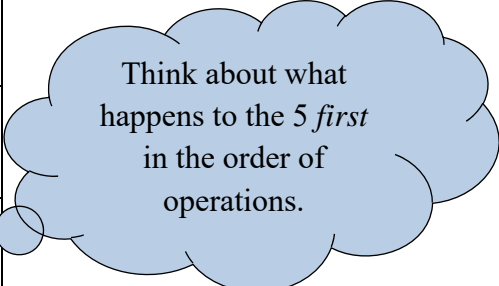


1. For each expression, tell whether the pulled-out part is a term or a factor.

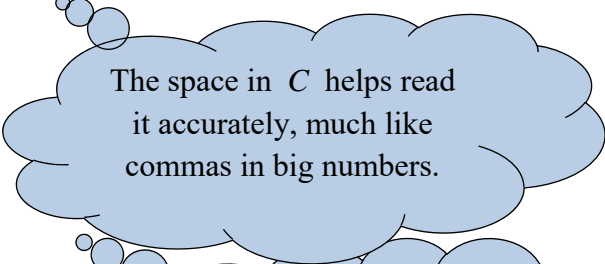
Expression	Term or Factor?
$5t + 40$	$5t$ is a _____
$6(x + 5)$	$x + 5$ is a _____
$9x^2$	$x$ is a _____
$4(x - 5)$	$5$ is a _____



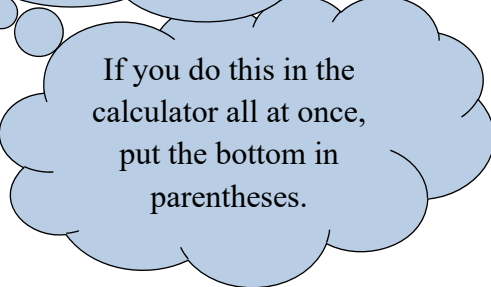
Think about what happens to the *5 first* in the order of operations.

2. Evaluate the following formula for  $\pi = 3.14$ ,  $C = 0.000\ 005$ , and  $X_C = 50.0$ . Round to the nearest whole number. Do not worry about units.

$$f = \frac{1}{2\pi C X_C}$$



The space in  $C$  helps read it accurately, much like commas in big numbers.



If you do this in the calculator all at once, put the bottom in parentheses.

3. Find the power used in an electric light bulb,  $P = i^2 R$ , if the current is  $i = 0.80$  amperes and the resistance is  $R = 150$  ohms.  $P$  will be in watts. (You will get a whole number. Include units.)