## Solving Equations Review

Write and solve an equation for each of the situations below. Show your work!

**1.** John is 50 km from his campsite. Each hour he travels 10 km further. How many hours will it take until he is 110 km from his campsite?

**2.** Mary has \$45 saved up. Each week she saves an additional \$15. How many weeks will it take her to save up enough money to purchase a TV that costs \$180?

**3.** Michelle has \$1,000 in her bank account. Each month, \$80 is <u>deducted</u> to pay for her cellphone bill. If she has \$40 left in her account, how many months have passed?

**4.** An ant colony starts out with 250 ants. Each week 50 new ants join the colony. How many weeks will it take for the population to reach 1,000 ants?

**5.** 4x + 2 = 18

**7.** 3−5*k* =− 12

**8.** 6 = 3(x+4)

**9.** 75 = 3(-6n - 5)

**10.** 6(-x-3) = 24