

## Problem Set 12 — Even Answers

2. 400

4. 500 competitors

6.  $-7, -5, -3$

8. 2300 knights

10. 560 kg

12.  $x = 19$

14.  $a = 24^\circ,$        $b = 72^\circ$   
 $c = 36^\circ,$        $d = 48^\circ$

16.  $x = \frac{15}{2}$

18.  $120^\circ$

20. 70 in

22.  $x = -\frac{12}{5}$

24.  $x = \frac{4h}{3+h}$

26.  $9 - 15x^{-4}y$

28.  $-\frac{3}{32}$

30.  $-84$