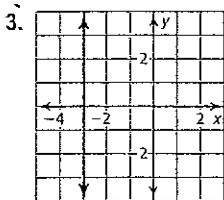
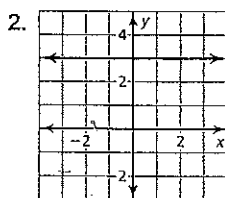
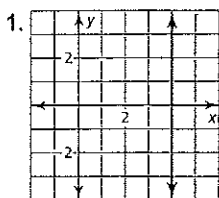


Answers

3.4 Practice A

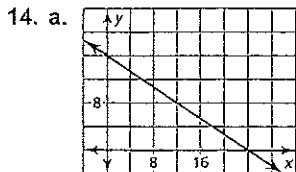
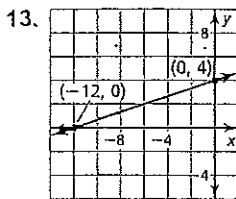
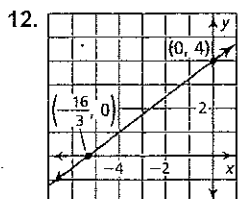
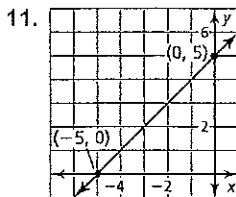
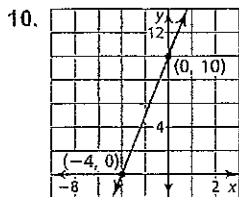
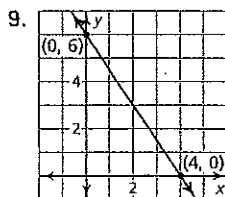
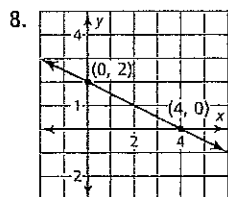


4. x -intercept: $(5, 0)$; y -intercept: $(0, -2)$

5. x -intercept: $(4, 0)$; y -intercept: $(0, 3)$

6. x -intercept: $(10, 0)$; y -intercept: $(0, -6)$

7. x -intercept: $(-4, 0)$; y -intercept: $(0, -6)$



x -intercept: could send 24 teams to Competition A and no teams to Competition B; y -intercept: could send 16 teams to Competition B and no teams to Competition A.

b. *Sample answer:* 3 teams to Competition A and 14 teams to Competition B; 6 teams to Competition A and 12 teams to Competition B; 9 teams to Competition A and 10 teams to Competition B; 12 teams to Competition A and 8 teams to Competition B

15. The x - and y -intercepts were combined into one coordinate; The x -intercept is at $(9, 0)$ and the y -intercept is at $(0, -4)$.

16. *Sample answer:* $3x + 2y = 7$; Neither 3 nor 2 is a factor of 7.