

Answers to WS 8-3 Special Right Triangles

- 1) $x = 6\sqrt{2}$, $y = 6$
- 2) $x = 2\sqrt{3}$, $y = 2$
- 3) $x = 10$, $y = 5\sqrt{3}$
- 4) $x = 3\sqrt{2}$, $y = 3\sqrt{2}$
- 5) $x = 7$, $y = \frac{7\sqrt{2}}{2}$
- 6) $x = 3$, $y = 3$
- 7) $a = 10$, $b = 5$
- 8) $x = 8\sqrt{2}$, $y = 8$
- 9) $a = 4\sqrt{2}$, $b = 2\sqrt{6}$
- 10) $x = \frac{8\sqrt{3}}{3}$, $y = \frac{4\sqrt{3}}{3}$
- 11) $x = 2$, $y = \sqrt{2}$
- 12) $a = 6\sqrt{5}$, $b = 3\sqrt{5}$
- 13) $x = 9$, $y = \frac{9\sqrt{3}}{2}$
- 14) $u = \frac{9\sqrt{2}}{2}$, $v = \frac{9\sqrt{2}}{2}$
- 15) $m = 9\sqrt{2}$, $n = 9$
- 16) $m = 7$, $n = \frac{7\sqrt{3}}{2}$
- 17) $x = 3\sqrt{2}$, $y = 3$
- 18) $x = 5$, $y = \frac{5\sqrt{2}}{2}$
- 19) $m = 8$, $n = \frac{8\sqrt{3}}{3}$
- 20) $x = 5$, $y = \frac{5\sqrt{3}}{3}$
- 21) $a = 6$, $b = 3\sqrt{3}$
- 22) $m = 4\sqrt{2}$, $n = 4$
- 23) $u = \frac{3\sqrt{6}}{2}$, $v = \frac{3\sqrt{2}}{2}$
- 24) $m = \frac{5\sqrt{10}}{2}$, $n = \frac{5\sqrt{10}}{2}$