

6) $d = r t$

7) $n = \frac{S}{180} + 2$

8) $a = \frac{F}{m}$

9) $h = \frac{2A}{b_1 + b_2}$

10a) $F = \frac{S + 24}{3}$

10b) $\frac{9 + 24}{3} = 11 \text{ in.}$

13a) $\pi = \frac{C}{d}$

13b) Measure a circle's circumference and divide it by the diameter.

13c) Sample: A circle with circumference of 22 cm has a diameter of about 7 cm, meaning π is about $22/7$ or about 3.143

14a) $h = S - \frac{2\pi r^2}{2\pi r}$ or $\frac{S}{2\pi r} - r$

$$h = \frac{2000 - 2\pi(10)^2}{2\pi \cdot 10}$$

14b) $h \approx 21.83 \text{ cm}$

15) They are parallel

16) $y = 0$

17) No solution because $0 < -7$ is not true.

19a) $y = -3$

19b) $x = 5$

21a) $x = 2$

21b) $x = -\frac{9}{8}$

23) $x = 6$

2) d

3) a

4) c

5) b

6) Let t be the set temperature.
 $70^\circ \leq t < 72^\circ$