Revision of Negative Numbers

Without a calculator, answer the following questions.

(a)
$$5-2$$

(b)
$$-5 + 6$$

(c)
$$-7 + 4$$

(e)
$$-10 + (-5)$$

(g)
$$-15 - 5$$

(h)
$$16 - (-8)$$

(i)
$$4 \times (-2)$$

$$(j) \qquad (-4) \times (-2)$$

(k)
$$(-8) \times 3$$

(1)
$$\left(-10\right) \times \left(-5\right)$$

(m)
$$14 \div (-7)$$

(n)
$$(-10) \div 2$$

(o)
$$(-10) \div (-2)$$

(p)
$$20 \div (-5)$$

(q)
$$(-15) \div (-3)$$

(r)
$$(-16) \div 4$$

2. Evaluate, without using a calculator:

(a)
$$(-2)^2$$

(b)
$$\left(-1\right) \times 1$$

(b)
$$\left(-1\right) \times 1$$
 (c) $\left(-1\right) \times \left(-1\right)$

$$(d) \quad (-4)^{\circ}$$

(e)
$$3^2 + (-4)^2$$

(d)
$$(-4)^2$$
 (e) $3^2 + (-4)^2$ (f) $(-6)^2 + (-8)^2$

(g)
$$(-1)^2 + (-2)^2$$
 (h) $(-2)^2 \times (-3)^2$

(h)
$$(-2)^2 \times (-3)^2$$

(i)
$$4 \times (-5) + ((-100) \div (-4))$$
 (j) $(-20) \div (-5) + (-2)^2$

(j)
$$(-20) \div (-5) + (-2)^2$$

(k)
$$\sqrt{(-3)^2 + (-4)^2}$$

(k)
$$\sqrt{(-3)^2 + (-4)^2}$$
 (l) $[(-3) \times (-4)] \div (-2)$

(m)
$$(-2)^3$$

(n)
$$(-1)^2 \times (-1)$$
 (o) $(-5)^3$

(o)
$$(-5)^3$$

3. The outside temperature was monitored every 4 hours for one day. Here is the recorded information.

Time	Temperature °C
00.00	-11
04.00	-7
08.80	-1
12.00	5
16.00	6
20.00	0
24.00	-5

What is the difference between the lowest and highest temperatures? (a)

(b) What is the difference between the temperature at