

**AQA - Solving equations and inequalities – GCSE Mathematics Paper-1**1. May/2020/Paper\_1F/No.14(a)(a) Solve  $6x - 11 = 13$ **[2 marks]**

---

---

---

 $x =$  \_\_\_\_\_



3. June/2019/Paper\_1H/No.2

Work out the value of  $\left(1\frac{2}{3}\right)^2$

Circle your answer.

[1 mark]

$1\frac{4}{9}$

$3\frac{1}{3}$

$2\frac{4}{9}$

$2\frac{7}{9}$

4. June/2019/Paper\_1H/No.18

Here is an identity.

$$x^2 - y^2 \equiv (x + y)(x - y)$$

(a) Use the identity to work out the value of  $193^2 - 7^2$

You **must** show your working.

[2 marks]

---



---



---



---

Answer \_\_\_\_\_

(b) Factorise  $100a^2 - 81b^2$

[1 mark]

Answer \_\_\_\_\_

5. Nov/2019/Paper\_1F/No.3

Circle the correct statement.

[1 mark]

$$0.3 > \frac{1}{4}$$

$$0.3 = \frac{1}{4}$$

$$0.3 \leq \frac{1}{4}$$

$$0.3 < \frac{1}{4}$$

6. Nov/2019/Paper\_1H/No.2

Solve  $3x = 2x$

Circle your answer.

[1 mark]

$x = -1$

$x = 0$

$x = \frac{2}{3}$

$x = \frac{3}{2}$

7. Nov/2019/Paper\_1H/No.18

Solve  $\frac{x+15}{3} = 2(x+10)$

[4 marks]

---

---

---

---

---

---

---

---

---

---

$x =$  \_\_\_\_\_