**Iterations GREEN**

1a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

2a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

3a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

4a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

5a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

6a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

7a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

8a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

**Iterations AMBER**

1a) Show that can be written in the form .

Start by isolating x².

b) Use the iteration formula to find to 2 decimal places. Start with

Substitute xn with 2.

Use your calculator to calculate x1.

2a) Show that can be written in the form .

Start by isolating x3.

Substitute xn with 0.

Use your calculator to calculate x1.

b) Use the iteration formula to find to 2 decimal places. Start with

3a) Show that can be written in the form .

Substitute xn with 1.

Use your calculator to calculate x1.

Start by isolating x².

b) Use the iteration formula to find to 2 decimal places. Start with

4a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

5a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

6a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

7a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

8a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

**Iterations RED**

1a) Show that can be written in the form .

Start by isolating x².

Then square root both sides.

b) Use the iteration formula to find to 2 decimal places. Start with

Substitute xn with 2.

Use your calculator to calculate x1.

2a) Show that can be written in the form .

Start by isolating x3.

Then cube root both sides.

Substitute xn with 0.

Use your calculator to calculate x1.

b) Use the iteration formula to find to 2 decimal places. Start with

3a) Show that can be written in the form .

Substitute xn with 1.

Use your calculator to calculate x1.

Start by isolating x².

b) Use the iteration formula to find to 2 decimal places. Start with

4a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

5a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

6a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

7a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with

8a) Show that can be written in the form .

b) Use the iteration formula to find to 2 decimal places. Start with