In [ ]:

```
curr_x = 3
iteration = 0;
learning_rate = 0.01
precision = 0.0000001
previous_step_size = 1
f = lambda x: 2 * (x + 5)
max_no_of_iterations = 10000
```

In [ ]:

```
while iteration < max_no_of_iterations and precision < previous_step_size:
    prev_x = curr_x
    curr_x = curr_x - learning_rate*f(prev_x)
    previous_step_size = abs(curr_x - prev_x)
    iteration += 1
```

In [ ]:

```
print(curr_x)
```